IN THE CLAIMS:

Please amend the following claims:

- 1. (Currently Amended) [A] An isolated mutant of Lactococcus lactis spp. lactis,

 which produces lactate at high volumetric productivity, which is at least twice that of the

 Lactococcus lactis spp. lactis 19435, and produces lactate at specific productivity, which is at

 least 1.5 times that of the Lactococcus lactis spp. lactis 19435, and produces high amounts of

 lactate dehydrogenase, which is at least twenty times that of the Lactococcus lactis spp. lactis

 19435 and wherein denoted TMB5003, deposited at Deutsche Sammlung von Microorganismen

 und Zellkulturen under deposition number DSM 14489.
- 1 2.(Cancelled)

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- 3. (Original) The use of *Lactococcus lactis* spp. *lactis* TMB5003 in the production of lactate.
- 4. (Currently Amended) The use of *Lactococcus lactis* spp. *lactis* TMB5003 for the production of the enzyme lactate dehydrogenase, LDH[,in-particular L-lactate dehydrogenase,

 L-LDH].
- 5. (Currently Amended) A method for the production of lactate on a glucose containing medium, wherein an inoculum of *Lactococcus lactis* spp. *lactis* TMB5003 is grown on a medium comprising glucose as carbon source[-], and the lactate thus formed is isolated.
 - 6. (Previously Amended) A method according to claim 5, wherein the growth is carried at conditions optimized for production of L-lactate.

- 6. (Previously Amended) A method according to claim 5, wherein the growth is carried at conditions optimized for production of L-lactate.
- 7. (Previously Amended) A method according to claim 6, wherein the growth is continuous at a dilution rate of at least 0.5 h ¹.
- 8. (Previously Amended) A method according to claim 7, wherein the growth is continuous at a dilution rate of at least 0.7 h ¹.
- 9. (Previously Amended) A method according to claim 8, wherein the growth is continuous at a dilution rate of at least 0.8 h⁻¹.
- 1 10. (Previously Amended) A method according to claim 5, wherein the growth is carried out at unrestricted feed of glucose.
- 1 11. (Currently Amended) A method according to claim 5, wherein the growth is carried out at a pH of above 6 [,preferablypH6-7].
- 1 12. (Currently Amended) A method according to claim 5, wherein the growth is carried out at a temperature of between 25 and 30 C[, preferably 27.5 to 30 C].
- 1 13. (Original) The use of lactate produced by fermenting the mutant *Lactoccus lactis* spp. *lactis* TMB5003 in food and as a chemical commodity in general.
- 1 14. (New) The use of *Lactococcus lactis* spp. *lactis* TMB5003 according to claim 4,
 2 wherein the enzyme lactate dehydrogenase, LDH is L-Lactate dehydrogenase, L-LDH.
- 15. (New) The method according to claim 11, wherein the pH is 6-7.

- 1 16. (New) The method according to claim 12, wherein the temperature is 27.7 to
- 2 30 C.